DNA purification by centrifugation

- Dissolving the gel slice
  - Following electrophoresis, excise DNA band from gel and place gel slice in a 1.5mL microcentrifuge tube
  - Add 10µL membrane binding solution per 10mg of gel slice. Vortex and incubate at 50-65°C until gel slice is completely dissolved
- Processing PCR amplifications
  - Add an equal volume of membrane binding solution to the PCR amplification
- Binding of DNA:
  - Insert SV minicolumn into collection tube
  - Transfer dissolved gel mixture or prepared PCR product to the minicolumn assembly
  - Incubate at room temperature for 1min
  - Centrifugate at 16,000g for 1min
  - Discard flowthrough and reinsert multicolumn into collection tube
- Washing:
  - Add 700µL membrane wash solution (ethanol added)
  - Centrifugate at 16,000g for 1min
  - Discard flowthrough and reinsert multicolumn into collection tube
  - Repeat step before with 500µL membrane wash solution
  - Centrifugate at 16,000g for 5min
  - Empty the collection tube and recentrifugate the column assembly for 1min with themicrocentrifuge lid open to allow evaporation of any residual ethanol
- Elution:
  - Carefully transfer minicolumn to a clean 1.5mL microcentrifuge tube
  - Add 15µL of nuclease-free water to the mini column
  - Incubate at 60°C for 5min
  - Centrifugate at 16,000g for 1min
  - Repeat this step
  - Discard minicolumn and store DNA at 4°C or -20°C